# RAW SEQUENCE LISTING

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Application Serial Number: 10/813,859
Source: IFW0
Date Processed by STIC: 11/15/04

# *ENTERED*

IFWO

**RAW SEQUENCE LISTING** DATE: 11/15/2004
PATENT APPLICATION: **US/10/813,859** TIME: 15:22:48

Input Set : **D:\5032DIV.ST25.txt**
Output Set: **N:\CRF4\11152004\J813859.raw**

<110> APPLICANT: Genzyme Corporation
Charles, Nicolette A.
<120> TITLE OF INVENTION: THERAPEUTIC COMPOUNS FOR OVARIAN CANCER
<130> FILE REFERENCE: 5032US-DIV
<140> CURRENT APPLICATION NUMBER: US 10/813,859
<141> CURRENT FILING DATE: 2004-03-31
<150> PRIOR APPLICATION NUMBER: US 09/870,089
<151> PRIOR FILING DATE: 2001-05-31
<160> NUMBER OF SEQ ID NOS: 14
<170> SOFTWARE: PatentIn version 3.2
<210> SEQ ID NO: 1
<211> LENGTH: 2015
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

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cattggcctt tgcagcggcg gcagcagcac caggctctgc agcggcaacc cccagcggct 180
taagccatgg cgtgagtacc ggggcgggtc gtccagctgt gctcctgggg ccggcgcggg 240
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aagatggcgg cggcagggcg gcggcgcggg cgtgagtcaa gggcgggcgg tgggcggggc 540
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```
 82 agatggtagc agcaaaagta aagggtgaga aactggataa gaagctgaaa aaaatggagc   1740
 84 aaaacaagac agcagccact aggtaccgcc agaagaagag ggcggagcag gaggctctta   1800
 86 ctggtgagtg caaagagctg gaaaagaaga acgaggctct aaaagagagg gcggattccc   1860
 88 tggccaagga gatccagtac ctgaaagatt tgatagaaga ggtccgcaag gcaaggggga   1920
 90 agaaaagggt cccctagttg aggatagtca ggagcgtcaa tgtgcttgta catagagtgc   1980
 92 tgtagctgtg tgttccaata aattattttg taggg                             2015
 95 <210> SEQ ID NO: 2
 96 <211> LENGTH: 351
 97 <212> TYPE: PRT
 98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 2
102 Met Thr Glu Met Ser Phe Leu Ser Ser Glu Val Leu Val Gly Asp Leu
103 1               5                   10                  15
106 Met Ser Pro Phe Asp Pro Ser Gly Leu Gly Ala Glu Glu Ser Leu Gly
107             20                  25                  30
110 Leu Leu Asp Asp Tyr Leu Glu Val Ala Lys His Phe Lys Pro His Gly
111         35                  40                  45
114 Phe Ser Ser Asp Lys Ala Lys Ala Gly Ser Ser Glu Trp Leu Ala Val
115     50                  55                  60
118 Asp Gly Leu Val Ser Pro Ser Asn Asn Ser Lys Glu Asp Ala Phe Ser
119 65                  70                  75                  80
122 Gly Thr Asp Trp Met Leu Glu Lys Met Asp Leu Lys Glu Phe Asp Leu
123                 85                  90                  95
126 Asp Ala Leu Leu Gly Ile Asp Asp Leu Glu Thr Met Pro Asp Asp Leu
127             100                 105                 110
130 Leu Thr Thr Leu Asp Asp Thr Cys Asp Leu Phe Ala Pro Leu Val Gln
131         115                 120                 125
134 Glu Thr Asn Lys Gln Pro Pro Gln Thr Val Asn Pro Ile Gly His Leu
135     130                 135                 140
138 Pro Glu Ser Leu Thr Lys Pro Asp Gln Val Ala Pro Phe Thr Phe Leu
139 145                 150                 155                 160
142 Gln Pro Leu Pro Leu Ser Pro Gly Val Leu Ser Ser Thr Pro Asp His
143                 165                 170                 175
146 Ser Phe Ser Leu Glu Leu Gly Ser Glu Val Asp Ile Thr Glu Gly Asp
147             180                 185                 190
150 Arg Lys Pro Asp Tyr Thr Ala Tyr Val Ala Met Ile Pro Gln Cys Ile
151         195                 200                 205
154 Lys Glu Glu Asp Thr Pro Ser Asp Asn Asp Ser Gly Ile Cys Met Ser
155     210                 215                 220
158 Pro Glu Ser Tyr Leu Gly Ser Pro Gln His Ser Pro Ser Thr Arg Gly
159 225                 230                 235                 240
162 Ser Pro Asn Arg Ser Leu Pro Ser Pro Gly Val Leu Cys Gly Ser Ala
163                 245                 250                 255
166 Arg Pro Lys Pro Tyr Asp Pro Pro Gly Glu Lys Met Val Ala Ala Lys
167             260                 265                 270
170 Val Lys Gly Glu Lys Leu Asp Lys Lys Leu Lys Lys Met Glu Gln Asn
171         275                 280                 285
174 Lys Thr Ala Ala Thr Arg Tyr Arg Gln Lys Lys Arg Ala Glu Gln Glu
175     290                 295                 300
```

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Input Set : **D:\5032DIV.ST25.txt**
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```
178 Ala Leu Thr Gly Glu Cys Lys Glu Leu Glu Lys Lys Asn Glu Ala Leu
179 305                 310                 315                 320
182 Lys Glu Arg Ala Asp Ser Leu Ala Lys Glu Ile Gln Tyr Leu Lys Asp
183                 325                 330                 335
186 Leu Ile Glu Glu Val Arg Lys Ala Arg Gly Lys Lys Arg Val Pro
187             340                 345                 350
190 <210> SEQ ID NO: 3
191 <211> LENGTH: 9
192 <212> TYPE: PRT
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: ATF4/CREB-2
198 <400> SEQUENCE: 3
200 Phe Leu Tyr Lys Trp His Gly Phe Val
201 1               5
204 <210> SEQ ID NO: 4
205 <211> LENGTH: 27
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: ATF4/CREB-2
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (6)..(6)
216 <223> OTHER INFORMATION: n is a, c, g, or t
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (21)..(21)
221 <223> OTHER INFORMATION: n is a, c, g, or t
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (27)..(27)
226 <223> OTHER INFORMATION: n is a, c, g, or t
228 <400> SEQUENCE: 4
W--> 229 ttyytntaya artggcaygg nttygtn                                    27
232 <210> SEQ ID NO: 5
233 <211> LENGTH: 9
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: ATF4/CREB-2
240 <400> SEQUENCE: 5
242 Phe Leu His Lys Val His Phe Tyr Val
243 1               5
246 <210> SEQ ID NO: 6
247 <211> LENGTH: 27
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
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PATENT APPLICATION: **US/10/813,859** TIME: 15:22:48

Input Set : **D:\5032DIV.ST25.txt**
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252 <223> OTHER INFORMATION: ATF4/CREB-2
255 <220> FEATURE:
256 <221> NAME/KEY: misc_feature
257 <222> LOCATION: (6)..(6)
258 <223> OTHER INFORMATION: n is a, c, g, or t
260 <220> FEATURE:
261 <221> NAME/KEY: misc_feature
262 <222> LOCATION: (15)..(15)
263 <223> OTHER INFORMATION: n is a, c, g, or t
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: (27)..(27)
268 <223> OTHER INFORMATION: n is a, c, g, or t
270 <400> SEQUENCE: 6
W--> 271 ttyytncaya argtncaytt ytaygtn                                  27
274 <210> SEQ ID NO: 7
275 <211> LENGTH: 9
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: ATF4/CREB-2
282 <400> SEQUENCE: 7
284 Phe Leu His Lys Trp His Trp Val Val
285 1               5
288 <210> SEQ ID NO: 8
289 <211> LENGTH: 27
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: ATF4/CREB-2
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <222> LOCATION: (6)..(6)
300 <223> OTHER INFORMATION: n is a, c, g, or t
302 <220> FEATURE:
303 <221> NAME/KEY: misc_feature
304 <222> LOCATION: (24)..(24)
305 <223> OTHER INFORMATION: n is a, c, g, or t
307 <220> FEATURE:
308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (27)..(27)
310 <223> OTHER INFORMATION: n is a, c, g, or t
312 <400> SEQUENCE: 8
W--> 313 ttyytncaya artggcaytg ggtngtn                                  27
316 <210> SEQ ID NO: 9
317 <211> LENGTH: 9
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
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Input Set : **D:\5032DIV.ST25.txt**
Output Set: **N:\CRF4\11152004\J813859.raw**

322 <223> OTHER INFORMATION: ATF4/CREB-2
324 <400> SEQUENCE: 9
326 Phe Leu His Lys Trp His Trp Tyr Val
327 1 5
330 <210> SEQ ID NO: 10
331 <211> LENGTH: 27
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: ATF4/CREB-2
339 <220> FEATURE:
340 <221> NAME/KEY: misc_feature
341 <222> LOCATION: (6)..(6)
342 <223> OTHER INFORMATION: n is a, c, g, or t
344 <220> FEATURE:
345 <221> NAME/KEY: misc_feature
346 <222> LOCATION: (27)..(27)
347 <223> OTHER INFORMATION: n is a, c, g, or t
349 <400> SEQUENCE: 10
W--> 350 **ttyytncaya artggcaytg gtaygtn** 27
353 <210> SEQ ID NO: 11
354 <211> LENGTH: 9
355 <212> TYPE: PRT
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: ATF4/CREB-2
361 <400> SEQUENCE: 11
363 Phe Leu His Lys Val His Tyr Leu Val
364 1 5
367 <210> SEQ ID NO: 12
368 <211> LENGTH: 27
369 <212> TYPE: DNA
370 <213> ORGANISM: Artificial Sequence
372 <220> FEATURE:
373 <223> OTHER INFORMATION: ATF4/CREB-2
376 <220> FEATURE:
377 <221> NAME/KEY: misc_feature
378 <222> LOCATION: (6)..(6)
379 <223> OTHER INFORMATION: n is a, c, g, or t
381 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
383 <222> LOCATION: (15)..(15)
384 <223> OTHER INFORMATION: n is a, c, g, or t
386 <220> FEATURE:
387 <221> NAME/KEY: misc_feature
388 <222> LOCATION: (22)..(22)
389 <223> OTHER INFORMATION: n is a, c, g, or t
391 <220> FEATURE:
392 <221> NAME/KEY: misc_feature

**RAW SEQUENCE LISTING ERROR SUMMARY** DATE: 11/15/2004
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Input Set : **D:\5032DIV.ST25.txt**
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**Please Note:**
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:4; N Pos. 6,21,27
Seq#:6; N Pos. 6,15,27
Seq#:8; N Pos. 6,24,27
Seq#:10; N Pos. 6,27
Seq#:12; N Pos. 6,15,22,24,27
Seq#:14; N Pos. 15,21,27

**VERIFICATION SUMMARY** DATE: 11/15/2004
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Input Set : **D:\5032DIV.ST25.txt**
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L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0